

# KÃ¶vin Knoops

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6003189/publications.pdf>

Version: 2024-02-01

26  
papers

4,137  
citations

471371

17  
h-index

580701

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

8360  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 productively infects human gut enterocytes. <i>Science</i> , 2020, 369, 50-54.	6.0	1,347
2	SARS-Coronavirus Replication Is Supported by a Reticulovesicular Network of Modified Endoplasmic Reticulum. <i>PLoS Biology</i> , 2008, 6, e226.	2.6	862
3	The quantitative and condition-dependent <i>Escherichia coli</i> proteome. <i>Nature Biotechnology</i> , 2016, 34, 104-110.	9.4	655
4	SARS-Coronavirus Replication/Transcription Complexes Are Membrane-Protected and Need a Host Factor for Activity In Vitro. <i>PLoS Pathogens</i> , 2008, 4, e1000054.	2.1	229
5	High-throughput CRISPRi phenotyping identifies new essential genes in <i>Streptococcus pneumoniae</i> . <i>Molecular Systems Biology</i> , 2017, 13, 931.	3.2	226
6	An organoid-derived bronchioalveolar model for SARS-CoV-2 infection of human alveolar type II-like cells. <i>EMBO Journal</i> , 2021, 40, e105912.	3.5	153
7	Ultrastructural Characterization of Arterivirus Replication Structures: Reshaping the Endoplasmic Reticulum To Accommodate Viral RNA Synthesis. <i>Journal of Virology</i> , 2012, 86, 2474-2487.	1.5	121
8	Preperoxisomal vesicles can form in the absence of Pex3. <i>Journal of Cell Biology</i> , 2014, 204, 659-668.	2.3	75
9	The membrane remodeling protein Pex11p activates the GTPase Dnm1p during peroxisomal fission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6377-6382.	3.3	69
10	A central cavity within the holo-translocon suggests a mechanism for membrane protein insertion. <i>Scientific Reports</i> , 2016, 6, 38399.	1.6	54
11	Integrity of the Early Secretory Pathway Promotes, but Is Not Required for, Severe Acute Respiratory Syndrome Coronavirus RNA Synthesis and Virus-Induced Remodeling of Endoplasmic Reticulum Membranes. <i>Journal of Virology</i> , 2010, 84, 833-846.	1.5	51
12	<i>Mycobacteria</i> -host interactions in human bronchiolar airway organoids. <i>Molecular Microbiology</i> , 2022, 117, 682-692.	1.2	32
13	Direct template matching reveals a host subcellular membrane gyroid cubic structure that is associated with SARS virus. <i>Redox Report</i> , 2005, 10, 167-171.	1.4	24
14	Modelling of primary ciliary dyskinesia using patient-derived airway organoids. <i>EMBO Reports</i> , 2021, 22, e52058.	2.0	24
15	An infectious recombinant equine arteritis virus expressing green fluorescent protein from its replicase gene. <i>Journal of General Virology</i> , 2007, 88, 1196-1205.	1.3	23
16	Yeast <i>pex1</i> cells contain peroxisomal ghosts that import matrix proteins upon reintroduction of Pex1. <i>Journal of Cell Biology</i> , 2015, 211, 955-962.	2.3	23
17	<i>In cellulo</i> serial crystallography of alcohol oxidase crystals inside yeast cells. <i>IUCr</i> , 2016, 3, 88-95.	1.0	23
18	Fluorescent labeling of resin-embedded sections for correlative electron microscopy using tomography-based contrast enhancement. <i>Journal of Structural Biology</i> , 2008, 161, 372-383.	1.3	17

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19	Development and RNA-Synthesizing Activity of Coronavirus Replication Structures in the Absence of Protein Synthesis. <i>Journal of Virology</i> , 2011, 85, 5669-5673.	1.5	17
20	Structural basis of signal sequence surveillance and selection by the SRP-FtsY complex. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 604-610.	3.6	16
21	Cryo-electron microscopy of ribosomal complexes in cotranslational folding, targeting, and translocation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012, 3, 429-441.	3.2	13
22	Alternative glycosylation controls endoplasmic reticulum dynamics and tubular extension in mammalian cells. <i>Science Advances</i> , 2021, 7, .	4.7	8
23	Low-resolution structure determination of Na <sup>+</sup> -translocating NADH:ubiquinone oxidoreductase from <i>Vibrio cholerae</i> by cryo-EM and electron microscopy. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 724-731.	2.5	4
24	Novel Methods for Cryo-Fluorescence Microscopy Permitting Correlative Cryo-Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2008, 14, 1314-1315.	0.2	3
25	Cold-inducible selective degradation of peroxisomes in. <i>FEMS Yeast Research</i> , 2004, 5, 281-285.	1.1	1
26	Serial femtosecond X-ray diffraction of in vivo crystals in intact yeast cells. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C570-C570.	0.0	0